

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



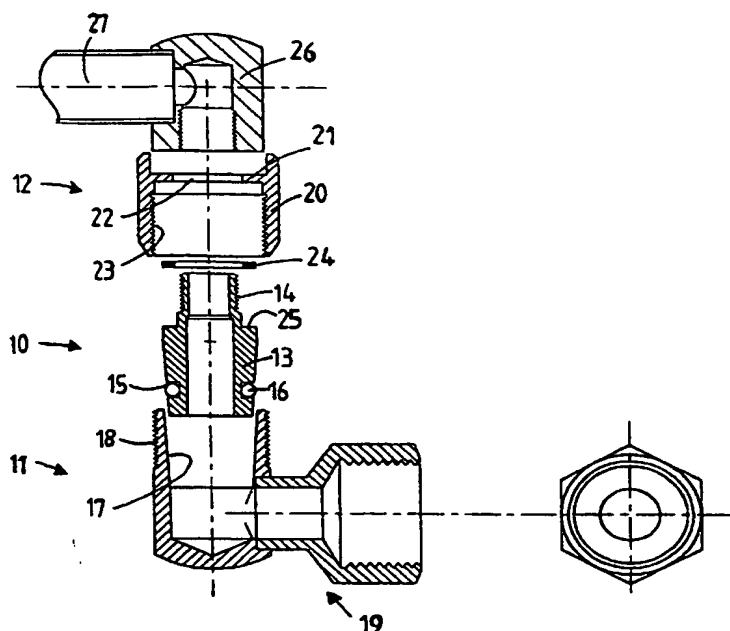
(43) International Publication Date
15 February 2001 (15.02.2001)

PCT

(10) International Publication Number
WO 01/11282 A1

- (51) International Patent Classification⁷: **F16L 27/08**, A47K 3/28
- (21) International Application Number: PCT/AU00/00917
- (22) International Filing Date: 2 August 2000 (02.08.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
PQ 2102 9 August 1999 (09.08.1999) AU
- (71) Applicants and
(72) Inventors: TRITCHLER, Robert, W. [AU/AU]; DRD Technology, P.O. Box 5269, Manly, QLD 4179 (AU). EWING, Warren, A. [AU/AU]; DRD Technology, P.O. Box 5269, Manly, QLD 4179 (AU).
- (74) Agent: CULLEN & CO.; Level 26, 239 George Street, Brisbane, QLD 4000 (AU).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— With international search report.
— With amended claims.
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: SWIVEL JOINT



(57) Abstract: A swivel joint which is particularly useful for shower heads. It comprises a first member (10) having an externally milled barrel (13) and a second member (11) having an internally milled barrel (17). The second member accommodates the first member in a leak-proof yet relatively rotatable relationship. The two members are held together by a collar (12).

WO 01/11282 A1

20000808 55506001